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# SIB Composition and Duties

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# Overview

- Authority
- Selection Process
- Primary Board Members
- Additional Board Members

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# Authority

- **AFI 91-204 ….Describes Mishaps That Must Be Investigated, Reported**
- **Accountable MAJCOM Is Responsible for Forming the Board**
- **“Gaining MAJCOM” convenes SIBs for Class A ANG/AFRC Mishaps**

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# Selection Process

- **Owning NAF determines SIB "WHO"**
  - **Has listing of potential SIB members, calls wings to determine availability**
  - **MAJCOM may have to "help" if assets not available**
- **MAJCOM approves SIB member listing…..**
  - **Except the BP**
    - **Approved by MAJCOM/CC**
- **BP options……**

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# PRIMARY BOARD MEMBERS
## Flight & Flight Related

- President
- Investigating Officer
- AFSC Representative
- Pilot Member
- Maintenance Member
- Medical Member

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# PRIMARY BOARD MEMBERS Space & Missile

- President
- Vice President
- Investigating Officer
- AFSC Representative
- Missile or Space Operations Officer
- Missile or Space Logistics Officer
- Medical Member (As required)

# BOARD MEMBER QUALIFICATIONS AND DUTIES

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# Board President

- Colonel or Higher
  - BG Selects or above for fatal mishaps, SIB & AIB
- Equal to or Greater Than Rank of Person Directly Involved
- From Outside the Mishap Wing
- Flight Mishaps: Pilot or Navigator
- Space Mishaps: Space or Missile Background
- Attended AFSC Board President Course

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# Investigating Officer Flight & Flight-Related

- Rated Officer
- Graduate of FSO or AMIC Course
- Experience in Aircraft (Desired)
- SIB President Can Select From Own Wing

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# Investigating Officer

## Space/Missile

- Trained or experienced in safety investigation
- Understands the effects and technical aspects of item involved
  - Design and function
- Space Mishaps
  - Operator, Maintainer or System Engineer
- Missile Mishaps
  - Operator, Maintainer or Munitions Officer
- Normally a Lt Col or Major

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# Investigating Officer "THE COORDINATOR"

- **Manages the Investigation**
  - **Shoulders the majority of the responsibility for the "day-to-day" SIB activities**
- **Directs and Coordinates Activities of Other Board Members**
- **Doesn't have to be from same MWS**
- **Works with AFSC Rep to "manage" SIB**

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# Pilot Member "THE MISSION"

- Currently on Flying Status
- Qualified in the Mishap Aircraft
  - Analyzes All Flight Operations Factors
  - Investigates All Factors Dealing With Air Crews
  - History of Flight and Performance Data

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# Maintenance Member "THE MACHINE"

- **Fully Qualified Maintenance Officer**
- **Two Years Experience with Mishap Aircraft (if available)**
- **AMIC or Jet Engine Mishap Investigation Course**
  - **Determine Pre-Mishap Status of MA**
  - **Investigates All Aircraft Systems**
  - **Investigates the Maintenance**
  - **Process, Training, etc**

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# Missile or Space Operations Officer

- **Qualified or Previously Qualified in the Missile or Space System**
- **Responsibilities Similar to the Pilot Member**
- **Investigates the Operations of the System**

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# Missile or Space Logistics Officer

- **Missile Maintenance Officer**
- **Space or Missile Engineer with Mishap System Experience.**
- **Responsibilities Similar to Flight Maintenance Member**
- **Responsible for Maintenance and Engineering of the System**

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# Medical Member

- **Air Force Flight Surgeon Or**
- **Physician Qualified in Aerospace Medicine**
- **Some Formal Training, but Limited Investigation Experience**

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# Medical Member "THE MAN"

- Human Factors
- Pathology
- Life Sciences
- Medical History
- Keep track of SIB's "health"

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# AFSC Representative "PROCESS EXPERTISE"

- **Provides Investigative and SIB Experience**
- **Goals:**
  - **Facilitate the Safety Investigation Boards**
  - **Improve Quality of Investigation and Reports**
  - **Root Cause Identification**
  - **Expedite the Process**

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# AFSC Representative "PROCESS EXPERTISE"

- Helps Focus the Board
- Keeps the Investigation on Schedule
- AFI 91-204 and Formal Report Expertise
- Technical Assistance Coordinator
- Interview Techniques
- Findings, Causes, and Recommendations Expert
- Final Report Quality Control; Emphasis on Tab T
- The Briefing

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# Additional Primary Members

- UAV Mission/CC (UAV Mishap)
- Air Traffic Control
- Weather Officer
- Weapons Safety Manager (EOD)
- Nuclear Surety Expert
- Air Force Operational Test and Evaluation Center Rep
- Life Support Officer or NCO
- Jump Master

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# Recorder (Non-Primary) "THE ADMINISTRATOR"

- Administration Manager
- Responsible For:
  - Files
  - Reprographics
  - Communications
  - Transportation
  - Clerical Support
  - Message Traffic
  - Supplies, etc, etc, etc

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# Additional Non-Primary Members

- **Commander's Representative**
  - **Make sure that this person has no close ties to the mishap pilot…i.e. gave last checkride, flew last, etc.**
- **Additional Crew Members**
- **AF Flight Standards Agency Rep**
- **Various Other Technical Assistance**
- **Human Factors Consultant**
- **ALC / Contractor Safety Investigators**

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# Remember….

- **Technical specialists are under the control of the SIB president. This applies to DoD military, civilian personnel and contractor and/or manufacturer representatives…..**

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# Contractor ROE…

- **Sent at request of AF**
- **Signs memorandum agreeing to safeguard AF privilege information and the SIB deliberative process**
  - **May not disclose privilege information to employer**
  - **Only prepares one copy of Part II technical input**
  - **May not have a copy of Part II of the report**
  - **Must destroy working notes, computer files, etc.**

**See 91-204 Chp 2!!!**

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# Contractor ROE… Space

- **Extensive Contractor Involvement**
- **AF investigations impact Commercial launches, profits**
- **Expertise is often found only in launch contractors, not the USAF**

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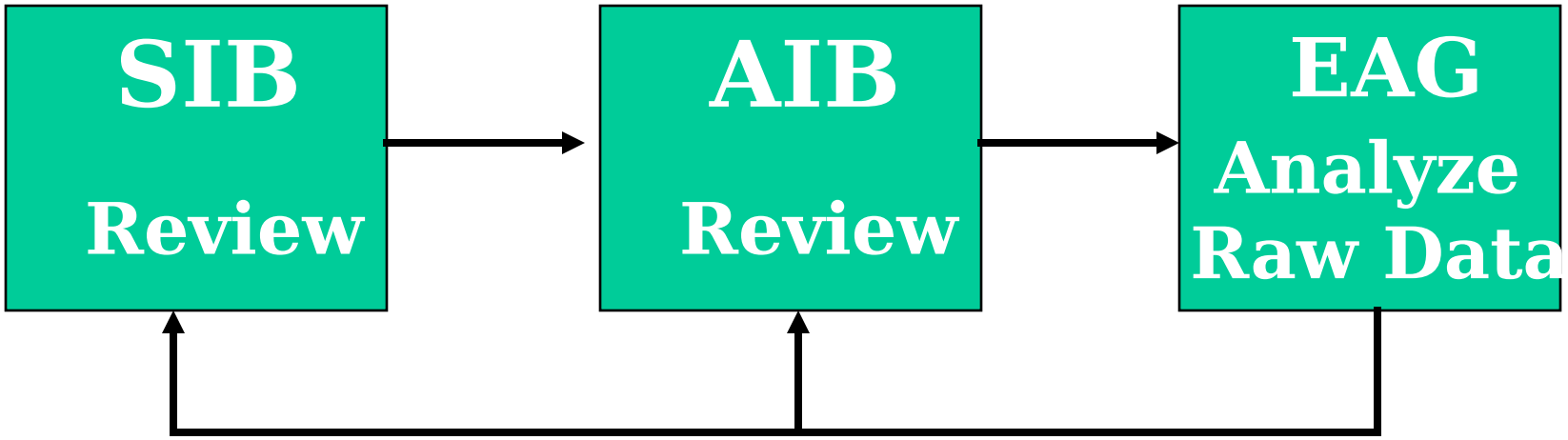
# Info Flow….Space




**EAG, after technical evaluation of Mishap Data, provides non-privileged analysis reports back to the SIB and AIB**

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# The Cast…A "TYPICAL" SIB

# *Dealing With Deadweight…*

**If a Board Member Is Non Productive and Detrimental to Your Investigation….**

# Replace Them!!!

# Summary

- **Who is doing what investigation(s).....**
  - **Machine - Mx Member, Contractor, SPO reps**
  - **Man - IO, Flt Doc, Pilot Member, HF Consult**
  - **Mission - IO, Pilot Member**
  - **Supervision - IO, Pilot Member, Mx Member, BP**
  - **Training/Pubs - IO, Pilot Member, MX Member**

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# Summary

- **Who is doing what…..**
  - **BP – “Chairing” daily meetings, working on briefing, Supervisory interviews, QC interviews, MAJCOM & Wing liaison**
  - **Primary SIB members – conducting interviews, QC interviews, reviewing “data,” writing Tab T, Tab Y**
  - **Contractor/ALC Reps – teardowns of equipment, preparing reports**
  - **AFSC Rep – “the 12th Man”**
  - **Recorder – Keeping the admin side running smoothly**

# BTW…..

- **Ensure Orders have Variations Authorized & Dual Billeting**
- **Call ‘em….**

**<u>BOARD COMPOSITION:</u>**

**Board President’s Should Organize the Investigation Board to Fit Their Investigative and Reporting Needs.**

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# Variations .....Joint Investigations

- **Major Premises of Joint/Multi-Service Investigation….**
  - **Single incident involving two or more services**
- **Accountability and responsibility for investigating and reporting determined by service safety chiefs**
  - **Lead service provides BP**
  - **Lead service's investigation process will be used**
  - **Involved services can provide board members**
- **All involved services receive copy of report 30 days after board report is published**

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# Variations .....Joint Investigations

- **Service safety chiefs can request service receive briefing from BP**

**AF ROE.....**

- **AF reps to Joint Safety Investigations will be graduates of formal Air Force safety training courses.**
- **AF reps to Joint Safety Investigations are responsible to the CSAF and Air Force Chief of Safety while assigned to Safety Investigation Boards.**

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# Variations …..”Tailored” SIBs

- **Tailored SIB may be convened for Class A mishaps that do not involve a fatality or destroyed aircraft**
- **Consists of those members the convening authority believes are needed to adequately investigate and report the event. For example…..**
  - **Engine Confined FOD – Single IO**
  - **Engine Confined non-FOD – Tailored SIB lead by IO**
- **Tailored SIBs may use the Abbreviated Formal Report format in 91-204 Chp 7**
  - **Not all Tabs required……**
  - **Waiver criteria found in 91-204**

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# Questions….